

What Is Claimed Is:

1. A fuel-injection system (1) for the direct injection of fuel into a combustion chamber of an internal combustion engine having a cylinder head (10) in which fuel lines (11) are positioned, and at least two fuel injectors (5), the at least two fuel injectors (5) being situated in valve-receiving openings (16), and the fuel lines (11) discharging into the valve-receiving openings (16) and, in addition, into a fuel connection (8) located on the side of each fuel injector (5), wherein the fuel lines (11) are interconnected in the cylinder head (10).
2. The fuel-injection system as recited in Claim 1, wherein the fuel connection (8) is situated on the level of a valve needle (12) of each fuel injector (5).
3. The fuel-injection system as recited in Claim 1 or 2, wherein the fuel lines (11) are connected via at least the valve-receiving openings (16) and the fuel connections (8).
4. The fuel-injection system as recited in one of Claims 1 through 3, wherein each fuel connection (8) has an outer first section (28) and an inner second section (29), which is made up of at least one opening introduced into the side of the fuel injector (5).
5. The fuel-injection system as recited in Claim 4, wherein the fuel lines (11) are connected via at least two openings of the second section (29).

6. The fuel-injection system as recited in Claim 4 or 5,  
wherein the first section (28) of the fuel connection (8)  
takes the form of an annular groove.
7. The fuel-injection system as recited in one of Claims 4  
through 6,  
wherein the fuel lines (11) are connected via at least  
the first section (28) of a fuel injector (5).
8. The fuel-injection system as recited in one of the  
preceding claims,  
wherein the fuel lines (11) form at least one fuel-line  
array (33) of at least two fuel lines hydraulically  
connected in series, the fuel-line array (33) supplying  
fuel to at least two fuel injectors (5).
9. The fuel-injection system as recited in Claim 8,  
wherein the fuel lines (11) of a fuel-line array (33) are  
positioned coaxially with respect to each other and/or  
exit through a shared borehole.
10. The fuel-injection system as recited in Claim 8 or 9,  
wherein at least two fuel-line arrays (32) are  
hydraulically positioned in parallel.
11. The fuel-injection system as recited in one of Claims 4  
through 7,  
wherein the fuel connection (8) has a filter (9).
12. The fuel-injection system as recited in Claim 11,  
wherein the filter (9) is positioned around the first  
section (28) in the form of a ring.

13. The fuel-injection system as recited in Claim 11 or 12,  
- wherein the filter (9) is made up of a meshed web or an  
annular metal which is perforated by laser-drilled holes.